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re-elected : Professor Lester F. Ward, Washington, D. C.; Professor H. B. Gardner, Brown University ; Professor Richard T. Ely, University of Wisconsin ; Professor E. J. James, University of Pennsylvania ; Professor F. W. Taussig, Harvard University ; Professor Jesse Macy, Iowa College ; President C. K. Adams, University of Wisconsin ; Dr. Albert Shaw, *Review of Reviews* ; Professor Richmond Mayo-Smith, Columbia College ; Mr. Worthington C. Ford, Treasury Department, Washington, D. C. ; Professor F. H. Giddings, Bryn Mawr College ; Rev. John G. Brooks, Brockton, Mass. ; Rev. N. P. Gilman, Boston ; Professor Henry W. Farnam, Yale University ; Professor Henry Ferguson, Trinity College ; Professor C. A. Tuttle, Amherst College ; Professor George P. Garrison, University of Texas ; Professor Roland P. Falkner, University of Pennsylvania. The following new members were elected to the Council : Mr. Horace White, New York ; Dr. E. R. L. Gould, Johns Hopkins University ; Dr. William Z. Ripley, Massachusetts Institute of Technology ; Professor A. C. Miller, University of Chicago ; Professor H. H. Powers, Smith College ; Professor David Kinley, University of Illinois ; Mr. N. O. Nelson, St. Louis, Mo. ; Dr. Edward T. Devine, Philadelphia ; Professor Charles H. Hull, Cornell University ; Dr. Emory R. Johnson, University of Pennsylvania.

It was decided to hold the next meeting of the Association at Columbia College, New York, during the holiday season of 1894.\*

#### INTERNATIONAL STATISTICAL INSTITUTE.

The International Statistical Institute held its Fifth Biennial Session in connection with the annual meeting of the American Statistical Association at Chicago, in the University of Chicago, September 11-16, 1893. The following was the program of the meeting :

#### MONDAY, SEPTEMBER 11—MORNING SESSION.

The chair will be taken at 11 a. m. by General FRANCIS A. WALKER, President-Adjoint.

Addresses welcoming the Institute, by President HARPER, University of Chicago ; General F. A. WALKER, President American Statistical Association, and Professor CHARLES A. DUNBAR, President American Economic Association,

Responses by Professor EMILE LEVASSEUR, Vice-President of the Institute ; Signor LUIGI BODIO, Director-General of the Royal Italian Statistical Bureau ; A. E. BATEMAN, Esq., C. M. G., Principal of the Commercial Department of the English Board of Trade ; Professor H. N. LASPEYRES, of the University of Giessen, and A. N. KIAER, Esq., Director of the Norwegian Royal Statistical Bureau.

Business of Organization.

\* A list of those present at the meeting will be found on page 111.

## AFTERNOON SESSION, 2.30 P. M.

Meetings of the standing committees.

## TUESDAY, SEPTEMBER 12—MORNING SESSION, 9 A. M.

*Commercial, Financial and Price Statistics.*

1. A. E. BATEMAN, Esq., C. M. G., Principal of the Commercial Department of the Board of Trade, England. Report of the Committee on Foreign Commerce. *The Statistics of Trade.*

2. A. KLAER, Director of the Royal Norwegian Statistical Bureau. Report of the Committee on Maritime Navigation. *Tonnage Admeasurement.*

3. Dr. J. MANDELLO, Hungarian Ministry of Finance. *Currency Reform in Austria-Hungary.*

4. Professor F. W. TAUSSIG, Harvard University, *Results of Recent Investigations of Prices in the United States.*

5. Hon. WORTHINGTON C. FORD, Chief of the United States Bureau of Statistics, Treasury Department, *Reciprocity.*

6. M. L. MUHLEMAN, United States Sub-Treasury, New York, *The Character and Volume of the Money of the United States.*

7. CHARLES A. CONANT, New York Commercial Bulletin, *The National Bank Currency.*

## AFTERNOON SESSION, 2.30 P. M.

*Educational and Criminal Statistics :*

8. Professor EMILE LEVASSEUR, Collège de France, Report of the Committee on Primary Education, *Comparative Statistics of Primary Education.*

9. Hon. W. T. HARRIS, United States Commissioner of Education, *Educational Statistics of the United States.*

10. Signor LUIGI BODIO, Director-General of the Royal Italian Statistical Bureau, Report of the *Comparative Nomenclature of Crimes and Misdemeanors.*

11. Dr. F. D. WINES, Special Agent United States Census, *Recent Statistics of Crime in the United States.*

## THURSDAY, SEPTEMBER 14—MORNING SESSION, 9 A. M.

*Agriculture, Railway and Labor Statistics :*

12. Major P. J. CRAIGIE, Director of Statistics of the Board of Agriculture, England. Report of the Committee on Landed Property.

13. Hon. J. R. DODGE, Ex-Statistician of the United States Department of Agriculture, *The Cereal Products of the World, and Farm Mortgages in the United States.*

14. JOHN HYDE, Expert Special Agent in charge of the Statistics of Agriculture, United States Census, *Geographical Concentration, an Historical Feature of American Agriculture.*

15. Professor EMILE CHEYSSON, School of Political Science, Paris, France. Report of the Committee on Interior Transportation.

16. Professor HENRY C. ADAMS, Statistician to the Interstate Commerce Commission, *Some Results of American Railway Statistics*,

17. M. RIEBENACK, Assistant Comptroller Pennsylvania Railroad Company, *Railway Statistics as Applicable to the Earnings of Passenger Trains, with a View of Determining an Approximate Revenue, and Deciding as to the Number and Time of Trains to be Run for the Accommodation of the Public*.

18. C. P. LELAND, Auditor Lake Shore & Michigan Southern Railway Company, *Railway Freight Statistics and Their Value in Developing Freight Traffic*.

19. Hon. CARROLL D. WRIGHT, United States Commissioner of Labor, *The Course of Wages in the United States since 1840*.

20. Dr. E. R. L. GOULD, Statistical Expert, United States Department of Labor, *The Social Condition of Wage-Workers in the Textile Industries of England and America*.

#### AFTERNOON SESSION, 2.30 P. M.

##### *Population Statistics :*

21. Dr. JACQUES BERTILLON, Chief of the Municipal Statistics of Paris, France. (a) Report of the Committee on the Nomenclature of Occupations and Causes of Death. (b) Report of the Committee on European Census Statistics, *General Scheme for an International Census Schedule*.

22. Dr. JOSEPH KÖROSI, Chief of the Municipal Statistics of Budapest. Report of the Committee to Promote the Comparability of European Census Statistics, (a) *Population Standard*, (b) *Remarks on the Scheme for International Classifications of Occupations*.

23. VICTOR TURQUAN, Chief of the Bureau of Statistics, Ministry of Commerce and Industry, France, *The Statistics Relating to the Female Population of France*.

24. Professor D. R. DEWEY, Secretary of the American Statistical Association, *Statistics of Occupations in the United States*.

25. Professor RICHMOND MAYO-SMITH, Columbia College, *Statistical Data for the Study of Assimilation of Races and Nationalities in the United States*.

26. HENRY GANNETT, United States Geological Survey, *The Geographical Distribution of the Population of the United States*.

27. Dr. S. W. DIKE, Secretary of the National Divorce Reform League, *The Condition and Mode of Statistics of Marriage and Divorce in Europe and America*.

## FRIDAY, SEPTEMBER 15—MORNING SESSION, 9 A. M.

## Business Meetings :

Election of officers. Appointment of standing committees. Reports and Resolutions, etc.

## AFTERNOON SESSION, 2.30 P. M.

*Anthropometric Statistics :*

28. Dr. E. M. HARTWELL, Director of Physical Training of the Boston Public Schools, *Preliminary Report on Anthropometry in the United States.*

29. Dr. F. BOAS, late of Clark University, *The Theory of Anthropometric Statistics.*

30. Professor EDWARD HITCHCOCK, SR., Amherst College, *Summary of Anthropometrical Studies in Relation to the Students of Amherst College.*

31. Dr. C. J. ENNEBUSKE, Principal Boston Normal School of Gymnastics, *An Anthropometrical Study of the Effects of the Gymnastic Training of American Women.*

32. Dr. WASHINGTON PORTER, *The Generalizing Method in Anthropometric Statistics.*

Professor Dunbar being absent on account of sickness, his address of welcome was omitted. In addition to those announced to speak at the opening session, Hon. Carroll D. Wright delivered an address of welcome in behalf of the United States Government. At Tuesday morning's session all the papers were read except those by Dr. Mandello and Mr. Ford, which were presented by title ; Mr. Conant's paper was read by Dr. E. R. L. Gould. In the afternoon, Dr. Wines' paper was the only one not read in full.

There was no session on Wednesday on account of the meeting of the American Economic Association that day. On Thursday all of the papers were read by the authors, except the one by Professor Cheysson, for whom Professor H. C. Adams acted as substitute, the one by Professor Kőrosi, "Remarks on the Scheme for International Classifications of Occupations," read by Dr. Davis R. Dewey ; Mr. Gannett's paper, which Dr. E. R. L. Gould read, and Dr. Dike's paper presented by Professor E. W. Bemis, and the following, which were read by title : Hon. J. R. Dodge's paper on "The Cereal Products of the World," Mr. John Hyde's paper, Dr. Gould's paper, and Dr. Kőrosi's report on a "Population Standard." At Friday afternoon's session, Dr. Hartwell and Dr. Boas read their papers in full ; the others were read by title.

The rule which the Institute adopted was to allow one hour for the presentation of each report and the discussion to follow it, and fifteen minutes for the presentation of general papers.

On Friday morning the former officers were re-elected, as follows : President, Sir Rawson W. Rawson, London ; Vice-presidents, Professor Emile Levasseur, Paris, and Professor Wilhelm Lexis, Göttingen ; Secretary-General, Signor Luigi Bodio, Rome ; Honorary Treasurer, J. B. Martin, Esq., London. The next meeting will be held in 1895, most likely at Brussels.

One of the most enjoyable events of the meeting was the reception tendered the delegates by the faculty of Northwestern University. Through the kindness of Mr. and Mrs. Potter Palmer it was held at their residence.

The following persons, in addition to those who took part in the programs, were registered as attending the sessions either of the Institute or of the Economic Association, or of both associations, members and invited guests of the Institute : Dr. Edward Atkinson, Boston ; Professor W. O. Atwater, Smithsonian Institution ; Professor Albert S. Bolles, Chief of the Pennsylvania Bureau of Industrial Statistics ; Dr. Augusto Bosco, Rome ; Mr. Horatio C. Burchard, ex-Director of the Mint ; Professor Richard T. Ely, University of Wisconsin ; Dr. Konrad E. R. Engel, Berlin ; Dr. Adolph Ernst, Mr. Weston Flint, Bureau of Education ; Mr. Joseph Greenhut, Vienna ; Professor Carl Johannes Fuchs, University of Greifswald ; Mr. Frederick Hendriks, London ; Mr. B. R. Lacy, Professor J. Lawrence Laughlin, University of Chicago ; Professor Walther Lotz, University of Munich ; Mr. L. G. Powers, Minnesota Commissioner of Labor Statistics ; Dr. Phra Suriya, Royal Commissioner of Siam ; Professor Isidor Singer, University of Vienna ; Mr. W. M. Scott, Hon. Horace G. Wadlin, Massachusetts Commissioner of Statistics.

Members of the American Economic Association and of the American Statistical Association : Professor J. B. Clark, Amherst College ; Dr. Charles H. Cooley, University of Michigan ; Professor Edward Cummings, Harvard University ; Professor Henry W. Farnam, Yale University ; Professor Franklin H. Giddings, Bryn Mawr College ; Professor John H. Gray, Northwestern University ; Dr. D. I. Green, Johns Hopkins University ; Dr. Edward M. Hartwell, Boston ; Professor J. J. Halsey, Lake Forest University ; Mr. F. B. Hawley, New York ; Mr. George Henderson, University of Chicago ; Professor Frederick C. Hicks, University of Missouri ; Mr. William Hill, University of Chicago ; Dr. Isaac A. Hourwich, University of Chicago ; Mr. Osborne Howes ; Professor Charles H. Hull, Cornell University ; Mr. George Iles, New York ; Professor Edmund J. James, University of Pennsylvania ; Professor Jeremiah W. Jenks, Cornell University ; Dr. Emory R. Johnson, University of Pennsylvania ; Professor Simon N. Patten, University of Pennsylvania ; Dr. William Z. Ripley, Massachusetts Institute of Technology ;

Dr. Victor Rosewater, Columbia College ; Professor Edward A. Ross, Leland Stanford Jr. University ; Mr. H. R. Seager, Philadelphia ; Professor E. R. A. Seligman, Columbia College ; Professor F. M. Taylor, University of Michigan ; Professor Graham Taylor, Hartford Theological Seminary ; Dr. T. B. Veblen, University of Chicago ; Mr. G. A. Weber ; Dr. Max West, Minneapolis ; Mr. Henry K. White, Mr. Edson L. Whitney, Professor Walter F. Wilcox, Cornell University.

#### THE PROPORTIONAL REPRESENTATION CONGRESS.

The Proportional Representation Congress, held under the auspices of the World's Congress Auxiliary of the World's Columbian Exposition, met in the Memorial Art Institute in Chicago, August 10, 11 and 12, 1893. The following was the program of the congress :

THURSDAY, AUGUST 10, 10 A. M.

*Proportional Representation*, by Professor JOHN R. COMMONS, of the University of Indiana.

*Manhood vs. Property Representation*, by Mr. JOHN T. WHITE, of Chicago.

FRIDAY, AUGUST 11, 10 A. M.

*Ticino as an Object Lesson*, by Mr. W. D. McCrackan, of Boston.

*Effective Voting*, by Miss CATHERINE H. SPENCE, of Adelaide, South Australia.

*The Proxy System as a Means of Real Representation*, by Dr. MONTAGUE R. LEVERSON, of Baltimore.

*Solution of the Problem of Proportional Representation*, by Lieut.-Col. T. CURRIE, of Versailles, France.

2 P. M.

*Majority Myths*, by Mr. ALFRED CRIDGE, of San Francisco.

*The Gove System*, by Mr. WM. H. GOVE, of Salem, Mass.

*Proportional Voting in Caucus and Convention*, by Dr. L. B. TUCKERMAN, of Cleveland.

SATURDAY, AUGUST 12, 10 A. M.

*Referendum and Minority Representation*, by Mr. W. D. McCrackan, of Boston.

*Direct Legislation*, by Mr. STOUGHTON COOLEY, of Chicago.

Of all the good things accomplished through the means of the Columbian Exposition, few, if any, are of more importance than the calling together of the friends of reform in representation. For more than a generation there have been advocates of proportional representation here and there in the United States, but they have never felt themselves able to effect any organization to promote their reform. That, under such circumstances and in the exceedingly